ANNUAL INDEX

Ackleh, Azmy S. and Deng, Keng. *Existence and nonexistence of global solutions of the wave equation with a nonlinear boundary condition*, 153

Amendola, Giovambattista. *Linear stability for a thermoelectromagnetic material with memory*, 67

Amirat, Youcef; Bresch, Didier; Lemoine, Jérôme; and Simon, Jacques. *Effect of rugosity on a flow governed by stationary Navier-Stokes equations*, 769

Artstein, Zvi and Slemrod, Marshall. *The singular perturbation limit of an elastic structure in a rapidly flowing nearly inviscid fluid*, 543

Bayada, G.; Chambat, M.; and Gamouana, S. R. *About thin film micropolar asymptotic equations*, 413

Binz, Ernst; Schwarz, Günter; and Wenzelburger, Jan. *On the dynamics of continuous distributions of dislocations*, 225

Bresch, Didier. *See* Amirat, Youcef

Chambat, M. *See* Bayada, G.

Chandna, O. P. and Husain, I. *Exact solutions of compressible plane potential flows— a new method*, 175

Dassios, George and Lindell, Ismo V. *On the Helmholtz decomposition for polyadics*, 787

Deng, Keng. *See* Ackleh, Azmy S.

Döme, G. *See* Fabrikant, V. I.

Fabrikant, V. I. and Döme, G. *Elementary evaluation of certain infinite integrals involving Bessel functions*, 1

Fatori, Luci Harue and Rivera, Jaime E. Muñoz. *Energy decay for hyperbolic thermoelastic systems of memory type*, 441

Gamouana, S. R. *See* Bayada, G.

Gidas, Basilis. *See* Mumford, David

Giorgi, Claudio; Grasselli, Maurizio; and Pata, Vittorino. *Well-posedness and longtime behavior of the phase-field model with memory in a history space setting*, 701

Grasselli, Maurizio. *See* Giorgi, Claudio

Hayes, Brian T. and Shearer, Michael. *A nonconvex scalar conservation law with trilinear flux*, 615

Horgan, C. O. and Quintanilla, R. *Spatial decay of transient end effects in functionally graded heat conducting materials*, 529

Huntley, H. E.; Wineman, A. S.; and Rajagopal, K. R. *Load maximum behavior in the inflation of hollow spheres of incompressible material with strain-dependent damage*, 193

Husain, I. *See* Chandna, O. P.

Izumiya, S.; Kossioris, G. T.; and Makrakis, G. N. *Multivalued solutions to the eikonal equation in stratified media*, 365

Jones, Mark C. W. *On nonlinearly detuned third harmonic ripples between two stratified fluids*, 241

Kim, Yong Jung. *A self-similar viscosity approach for the Riemann problem in isentropic gas dynamics and the structure of the solutions*, 637

Kossioris, G. T. *See* Izumiya, S.

Krutitskii, P. A. *On a uniquely solvable integral equation in a mixed Dirichlet–Neumann problem of acoustic scattering*, 493

Laitinen, Mika and Tiihonen, Timo. *Conductive-radiative heat transfer in grey materials*, 737

Leise, Tanya L. and Walton, Jay R. *Dynamically accelerating cracks part 2: A finite length mode III crack in elastic material*, 601

Lemoine, Jérôme. *See* Amirat, Youcef

Li, Jiequan and Yang, Hanchun. *Delta-shocks as limits of vanishing viscosity for multidimensional zero-pressure gas dynamics*, 315

Liboff, Richard L. *Conical quantum billiard revisited*, 343

Lindell, Ismo V. *See* Dassios, George

Lipton, Robert. *Reinforcement of elastic structures in the presence of imperfect bonding*, 353

Liu, Wei-Jiu and Zuazua, Enrique. *Uniform stabilization of the higher-dimensional system of thermoelasticity with a nonlinear boundary feedback*, 269

Makrakis, G. N. *See* Izumiya, S.

Markenscoff, Xanthippi. *Diffusion induced instability*, 147

———. *Instabilities of a thermo-mechano-chemical system*, 471

Mumford, David and Gidas, Basilis. *Stochastic models for generic images*, 85
Odulo, Anatoly B. *A note on exact particular solutions of the generalized shallow-water equations*, 143
Pata, Vittorino. *See* Giorgi, Claudio
Qin, Yuming. *Global existence and asymptotic behaviour of the solution to the system in one-dimensional nonlinear thermoviscoelasticity*, 113
———. *See* Zheng, Songmu
Quintanilla, R. *See* Horgan, C. O.
Rajagopal, K. R. *See* Huntley, H. E.
Rivera, Jaime E. Muñoz. *See* Fatori, Luci Harue
Rivera, Jaime E. Muñoz and Salvatierra, Alfonso Peres. *Asymptotic behaviour of the energy in partially viscoelastic materials*, 557
Ruan, Shigui. *Absolute stability, conditional stability and bifurcation in Kolmogorov-type predator-prey systems with discrete delays*, 159
Salvatierra, Alfonso Peres. *See* Rivera, Jaime E. Muñoz
Schaeffer, Jack. *Steady states for a one-dimensional model of the solar wind*, 507
Schwarz, Günter. *See* Binz, Ernst
Shearer, Michael. *See* Hayes, Brian T.
Simmonds, J. G. *A simplified, nonlinear thermodynamic theory of beamshells*, 401
Simon, Jacques. *See* Amirat, Youcef
Slemrod, Marshall. *See* Artstein, Zvi
Sun, Pu. *The effect of a small initial distortion of the basic flow on the subcritical transition in plane Poiseuille flow*, 667
Tang, Huazhong; Tang, Tao; and Wang, Jinghua. *On numerical entropy inequalities for a class of relaxed schemes*, 391
Tang, Tao. *See* Tang, Huazhong
Tarantino, Angelo Marcello. *Dynamic crack propagation in sheets of compressible neo-Hookean material under general in-plane loading*, 479
Tiihonen, Timo. *See* Laitinen, Mika
Trakhinin, Yu. L. *On stability of shock waves in relativistic magnetohydrodynamics*, 25
Vatsala, A. S. and Wang, Liwen. *The generalized quasilinearization method for parabolic integro-differential equations*, 459
Walton, Jay R. *See* Leise, Tanya L.
Wang, Jinghua. *See* Tang, Huazhong
Wang, Liwen. *See* Vatsala, A. S.
Wenzelburger, Jan. *See* Binz, Ernst
Wineman, A. S. *See* Huntley, H. E.
Yang, Hanchun. *See* Li, Jiequan
Yin, Hong-Ming. *On a p-Laplacian type of evolution system and applications to the Bean model in the type-II superconductivity theory*, 47
Zheng, Songmu and Qin, Yuming. *Maximal attractor for the system of one-dimensional polytropic viscous ideal gas*, 579
Zuazua, Enrique. *See* Liu, Wei-Jiu